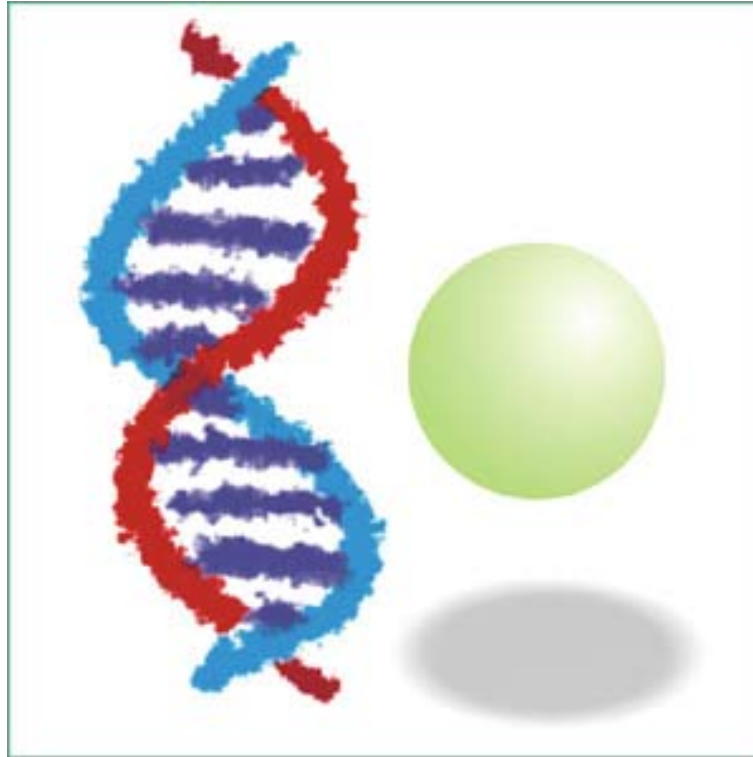


BST

生化科技系

BCX

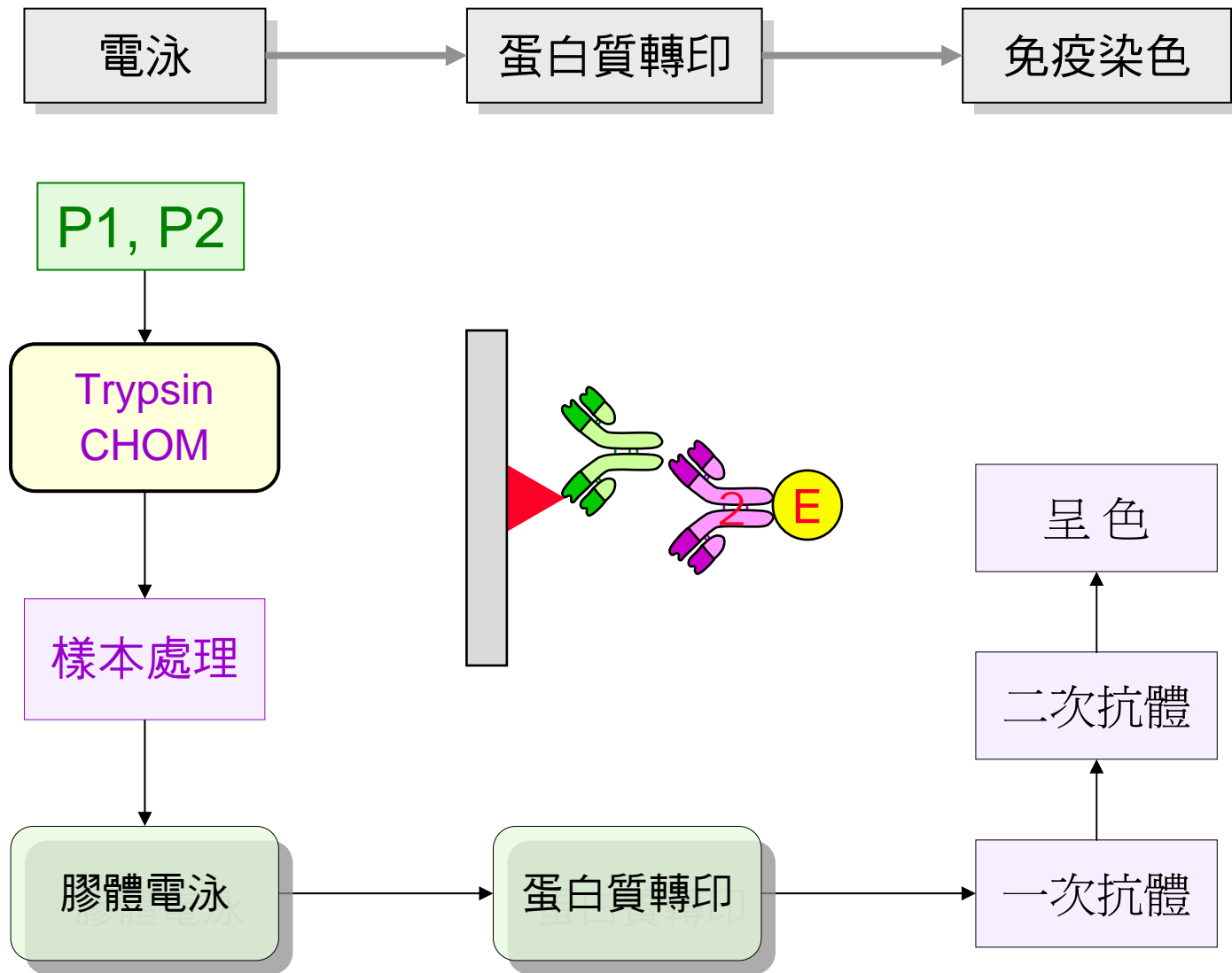


S2

生物化學實驗

免疫轉印法

S2 免疫轉印法



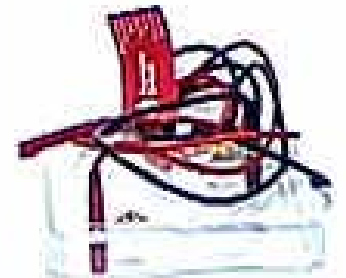
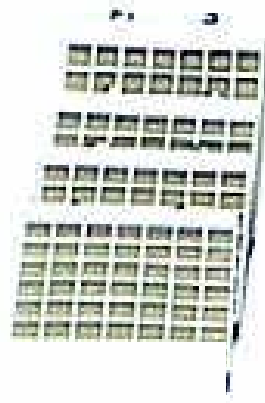
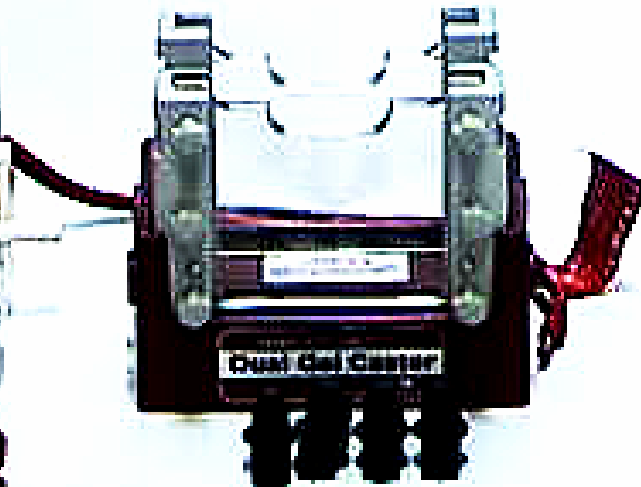
■ 電泳槽及相關設備：

電泳槽

鑄膠器

轉印三明治

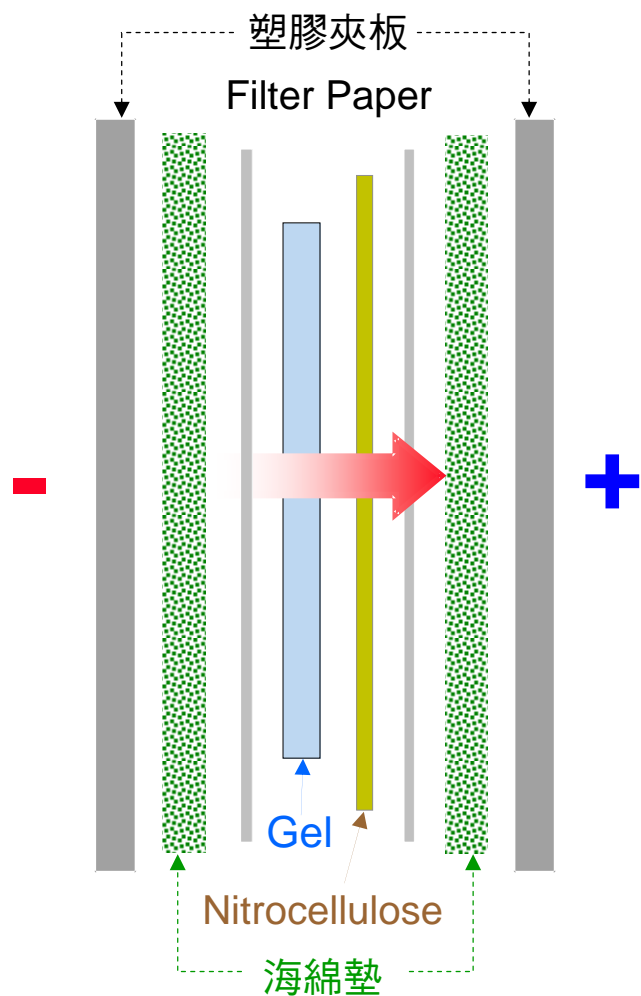
轉印槽



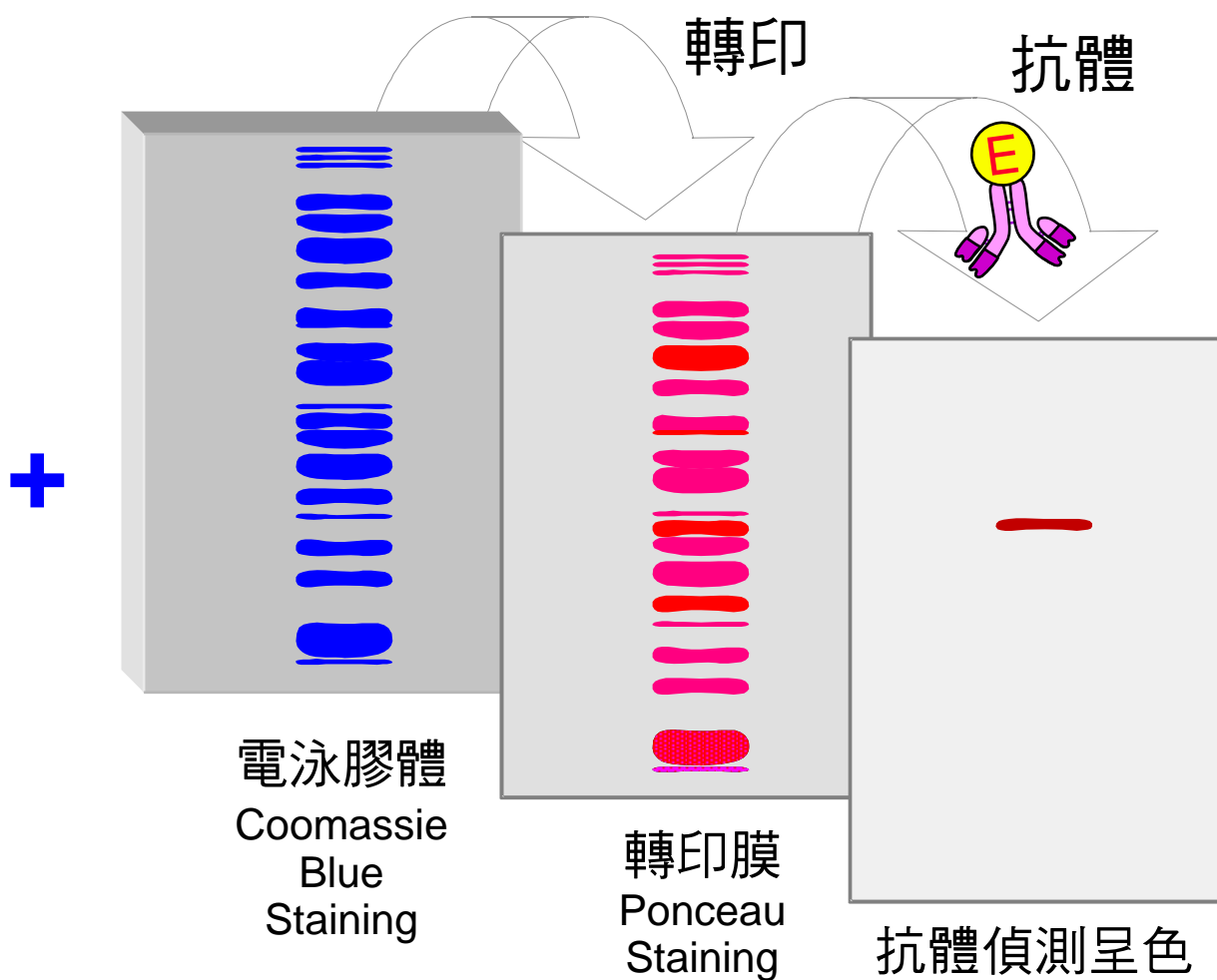
供電器

轉印及免疫染色流程：

A 轉印三明治




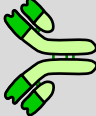







B 免疫染色流程及結果

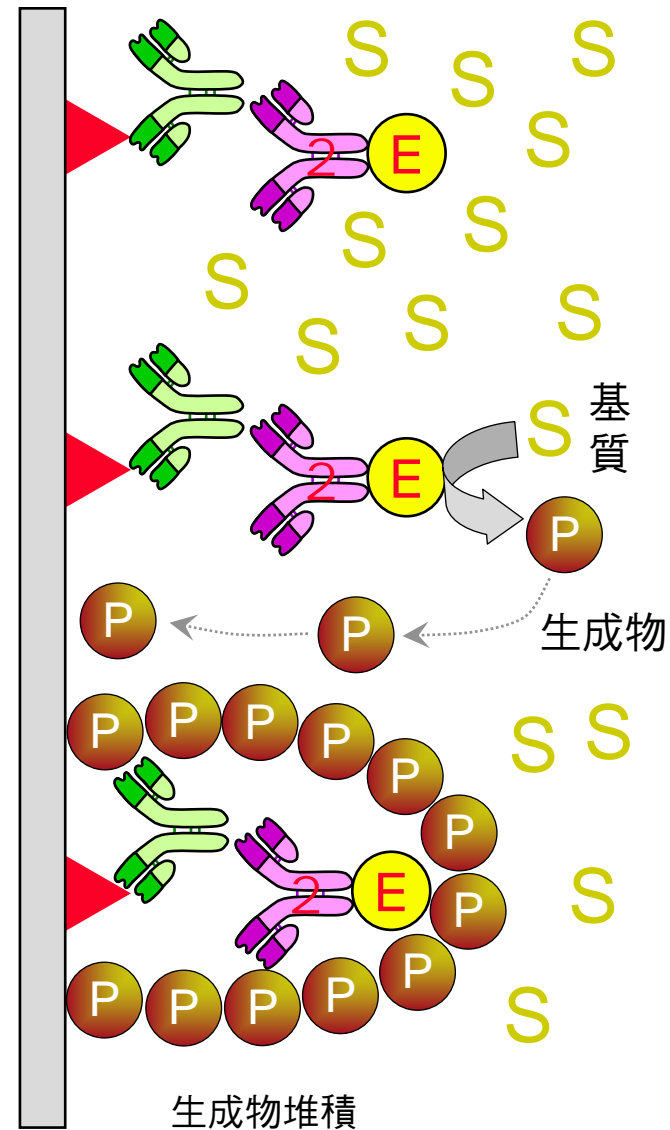
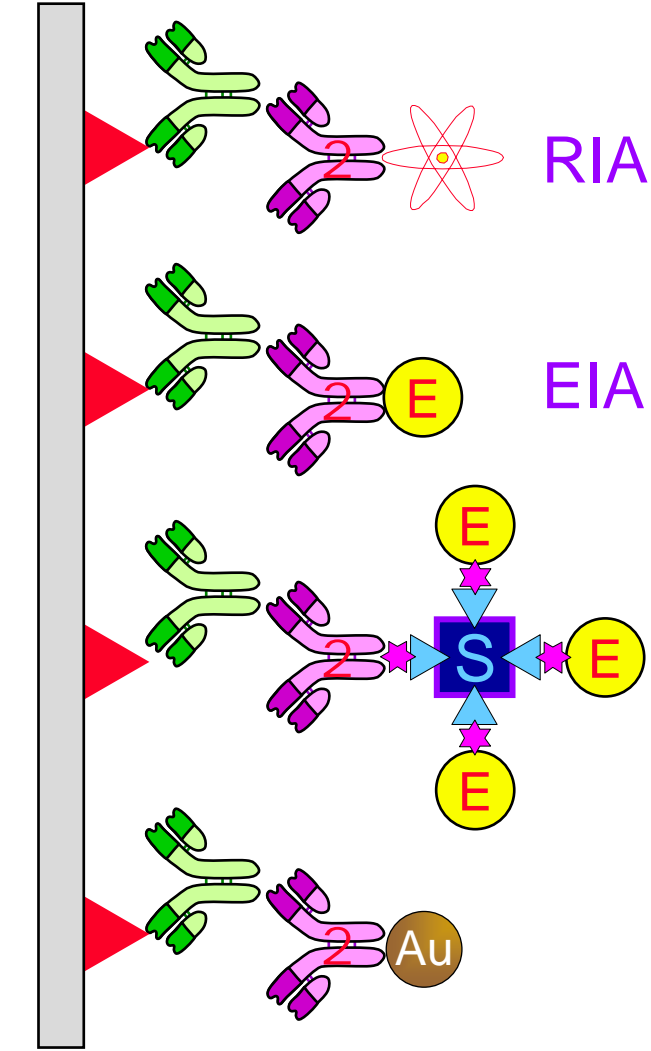




免疫轉印的種類與呈色機制：

轉印紙

-  Antigen
-  Antibody
-  Second Antibody
-  Radioactive Tracer
-  1. Horse Radish Peroxidase (HRP)
2. Alkaline Phosphatase (AP)
-  Biotin
-  Streptavidin
-  Biotin -HRP
-AP
-  Colloidal Gold



Peroxidase

Horse radish peroxidase (HRP) 山葵過氧化酶

基質：DAB (褐色) 4CN (藍色)

靈敏度：500 pg

Phosphatase

Alkaline phosphatase (AP) 鹼性磷酸酶

基質：BCIP + NBT (藍色)

靈敏度：100 pg

基質：AMPPD (化學螢光劑)

靈敏度：10 pg